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Introduction

Congratulations are due for picking up one of the more powerful digital cameras currently available. We expect it will give you all the things you hoped for. But before you begin using it, please read through this manual carefully and follow the instructions to avoid any possible damages caused by improper usage.

Proper Care

This product consists of intricate electrical parts. To use it properly, do not drop or hit the camera when taking pictures.

- Avoid using or placing the camera in the following locations:
  1. Damp or dusty places.
  2. Sealed vehicles or places exposed to direct sunlight or places subject to extremely high temperatures or heat.
  3. Environments with lots of turbulence.
  4. Locations full of smoke, oil fumes or steam.
  5. Locations subject to a strong magnetic field.
  6. When it's raining or snowing.

- Do not open the battery cover when the power is on.
- If water has entered the camera, immediately turn the power OFF and remove the batteries.
- How to maintain your camera:
  1. If the lens, LCD display or the viewfinder surface is dirty, use a lens brush or a soft cloth to wipe the surface clean. Do not touch the lens with your fingers.
  2. Do not hit the camera with any solid object to avoid scratching the lens, LCD display or viewfinder surface.
  3. Do not use any detergent or volatile solution, which will cause the camera case and paint to dissolve or distort. Use a soft cloth only.

About SmartMedia Card

Caution:

1. When using the SmartMedia Card, please insert it correctly into the slot as directed.
2. When recording to or deleting images in the SmartMedia Card, do not remove the SmartMedia Card or turn power off the camera. If you do, you may cause damages to the stored data.
3. The SmartMedia Card consists of intricate electrical components. Do not hit or distort it.
4. Do not use or place the SmartMedia Card in any location full of high static electricity or electrical noise.
5. Do not use or place the SmartMedia Card in an environment subject to extremely high or low temperatures, moisture, or corrosive objects.
6. Do not touch the metal interface of the SmartMedia Card with solid objects or fingers. Only use a dry, soft cloth for cleaning purposes.
7. Please use the specifically designed case to carry or store the SmartMedia Card to protect it from wearing out or static electricity.

Batteries

1. Use two "AA" type batteries only.
2. Do not use different types of batteries together, or mix old and new batteries.

- Caution for battery usage

Please follow these instructions to install the batteries.

1. Check the polarity marks on the battery (+ and -) before loading the batteries in the camera.
2. Turn the camera off before removing the batteries.
3. Do not heat or toss the batteries into a fire.
4. Do not expose the polarities of a battery to moisture.
5. Do not attempt to disassemble or adapt a battery.
6. Do not use a battery if it is distorted, discolored or leaking.
7. Do not place a battery in an environment subject to extremely high temperatures or humidity.
8. Remove the batteries if the camera will not be used for an extended period of time to avoid battery leakage.
9. Low temperatures (below 10C) may reduce the output efficiency of batteries, thereby shortening the operation time of camera.
10. If battery leakage happens, please remove batteries from the compartment and clean the base before loading the new batteries.
11. If you accidentally touch or get leakage stains on clothes, please wash with clean water. If the leakage gets in your eyes, please immediately rinse with fresh water and then consult a physician for treatment as soon as possible.

Package Contents

Make sure the following items are in the package when you open it up.

- Software CD-ROM (incl. Driver and Applications)
- Carry Case
- Wrist Strap
- Two AA Batteries
- USB Cable
- TV-OUT Cable
- User's Manual

Software Installation

Insert the CD-ROM into your CD drive and the software installation menu will appear on the computer screen automatically.
Note: *If the software installation menu did not appear, open Windows Explore and double-click the "Setup. exe" icon in the CD- ROM directory. Click Utility Driver first to install the digital camera software. Follow the on-screen instructions to proceed. When you are done installing the digital camera software, you have the choice to go back to the software installation menu and click other items to install the bundled software programs.*
Once Setup finishes installing all the necessary files on your computer, you will be asked to **restart your computer**. Click **Yes** and then **Finish** to restart your computer to complete Setup.

Now plug-in your Digital Camera to the USB cable and the LCD display will appear. The icon **Mass Storage Mode** appears on the display. Press the **Shutter** to confirm, and the system will configure the device automatically. Unplug the USB cable, then plug-in the USB cable again, and use the **Selection** button to change from **Mass Storage Mode** to **PC Camera Mode**, and the icon **PC Camera Mode** appears on the LCD display. Press the **Shutter** to confirm, and the system will configure the device automatically.

PC Camera Mode **Mass Storage Mode**

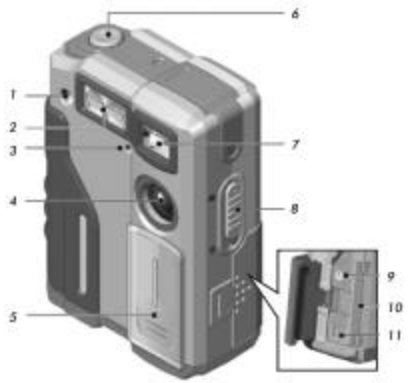
If you select **PC Camera Mode**, system will configure the following devices automatically.

If you select **Mass Storage Mode**, system will configure the following devices automatically.
-USB Mass Storage Driver
-Card Reader USB Device

Getting to Know Your Came

Front view

1.Red-eye Reduction LED
2.Flash
3.Self timer LED
4.Lens
5.Lens lid/Power
6.Shutter button
7.Viewfinder
8.Macro button
9.TV-OUT Port
10.Smart Media Card Slot
11.USB Port



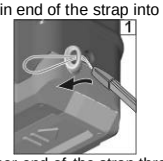
Rear View

1.Viewfinder
2.LCD Display
3.Serial No.
4.Tripod Socket
5.Macro LED
6.Busy LED
7.Flash Mode
8.Mode Button
9.Selection & Movie Button
10.Strap Holder
11.Battery Cover

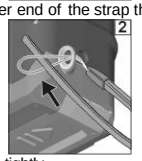
Getting Your Camera Ready

Attaching the Strap

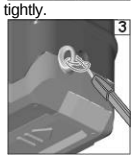
Insert the thin end of the strap into the strap holder.



Slide the other end of the strap through the loop.



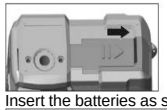
Pull the strap tightly.



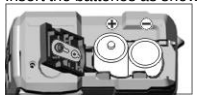
Loading the Batteries

Turn off the power of the camera.

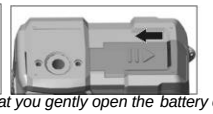
Slide the switch on the battery cover in the direction indicated by the arrow.



Insert the batteries as shown on the inside of the cover.



Close and lock the battery cover.

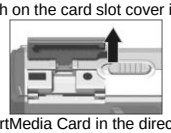


NOTE: *We recommend that you gently open the battery cover to avoid damaging it.*

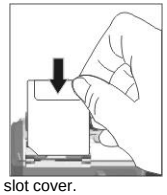
Inserting/Removing the SmartMedia Card

Turn off the power of the camera.

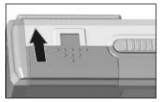
Slide the switch on the card slot cover in the direction shown below.



Insert the SmartMedia Card in the direction of the arrow.



Close the card slot cover.



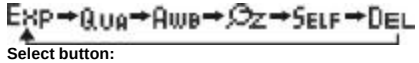
Remove the SmartMedia Card in the direction of the arrow.

NOTE:

- *The SmartMedia Card specification for this camera is: 3.3V (4/8/16/32/64/128MB).*
- *If you insert the Smart Media card in the wrong direction, it won't fit. Insert the card gently to avoid damage.*
- *If a write-protect sticker is attached at the write-protect area, this message will* *be displayed on the LCD display. Data can no longer be recorded to or erased from the card.*
- *If the camera detects no SmartMedia Card, gently wipe the metal interface of the card with a soft cloth and reload the card again.*

Button Modes

- **Shutter button:** Press this button to take pictures or to confirm selected item or mode.
- **Mode button:** Press this button to switch to required function or photography mode. The sequential order of functions is as follows:



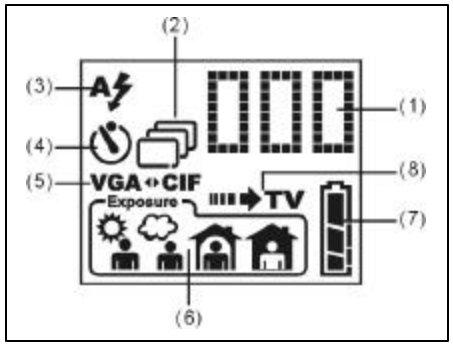
- **Select button:**
  A. Works with **MODE** button for selecting functions and modes.
  B. To turn on/off movie recording mode.

- **FLASH mode switch:** To switch to flash mode, the order is as follows:

- **Macro mode switch:** To switch between **Basic** and **Macro** photography.

LCD Description

(1) Function Area
(2) Movie
(3) Flash Mode Indicator
(4) Self-Timer Mode
(5) Image Resolution
(6) Photographing Settings
(7) Battery Life Indicator
(8) TV-OUT Mode



Getting Started

Power On/Off

- Slide the lens cover down gently. The **Start Screen** appears on the LCD. The power is on after you hear two beeps.

- To turn the camera off, slide the lens cover up to turn off the power.

Battery Life Indicator

(1) Full Battery Power

(2) Medium Battery Power

(3) Low Battery Power (No flash available at this status. You need to load new batteries to continue operation.)

(4) No Battery Power

Auto Power OFF Function

If no operation is carried out for a fixed amount of time (about 30 sec), the power is turned OFF to prevent battery wear. This is called Auto Power OFF.

How to Take Pictures

Put your wrist in the wrist strap and hold the camera firmly with both hands. Look at the subject image through the viewfinder window.

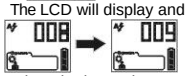
NOTE:

- *The pictures taken will be blurred if the camera is shaken during shooting. Please use a stand or a tripod to avoid blurring images caused by an unstable camera in shadowy locations.*
- *Do not block the **Red-eye Reduction LED** when holding the camera.*

Basic Operation

- Turn on the power of the camera.
- Press and release the shutter button to take a picture. (At this time, you will hear a beep and the **LED** will flash. When the flash is over, the camera is ready to take the next photo.)

- The LCD will display and add up the number of pictures taken.



- When the internal memory or SmartMedia Card is full, the following message appears on the LCD display and the camera will beep four times. No photos can be taken after this.

Memory full

Movie recording

1. Turn on the power of the camera.
2. Press **SELECT** button to turn on/off **Movie** photography function. Press **SHUTTER** button to confirm. (Two beeps can be heard from the camera.)
3. Press **SHUTTER** button to start recording.
4. Press **SHUTTER** button again to stop recording.
5. Recorded images will be saved in the camera with the AVI file format. You can use the USB cable to download images to a PC.

***NOTE:** When you enable the continuous recording function, it will be switched to CIF (320 x 240) automatically.*

Basic/Macro Photography

Slide the **Macro** button down on the side of camera to switch to **Macro** mode.

- **Basic mode:** For a normal distance shot (About 60cm ~ Infinity).
- **Macro mode:** For a Macro shot (About 15 ~ 25cm).

Flash Mode

Press the **Flash** mode button and press the **SHUTTER** button to confirm the selected mode.

Auto: Flash is enabled automatically when light level is low, mainly used in general photography.

Red-eye Reduction: Use this mode to avoid the red-eye effect when photographing people in low-light conditions. In shooting, the flash and Red-eye Reduction LED will be launched together before taking the picture.

Off: This mode is applicable when in outdoors shooting, when the user wants to use indoor lighting to take pictures, or when in a theater or an arena, and the flash cannot produce any effect on the subject from a long distance.

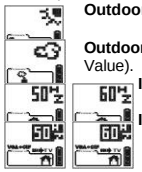
TIP: *Red-eye effect*
*To photograph people in an insufficient lighting setting will turn their eyes red from the reflection of the flash. Using the **Red-eye Reduction** mode can reduce the possibility of red eye.*

Operating Modes

Exposure Settings

You can set different **Exposure Values** depending on the environment.

- Press the **MODE** button to switch to **EXP** mode. Then press the **SELECT** button to choose one of the following modes. Press the **SHUTTER** button to confirm your selection (and you will hear two beeps from the camera).



Outdoor Bright Mode: Select this mode when it's sunny and the lighting is sufficient.

Outdoor Shade Mode: Select this mode when it's cloudy or the lighting is slightly dim (Default Value).

Indoor Bright Mode: Select this mode when it's bright indoors, 50HZ or 60HZ.

Indoor Shade Mode: Select this mode in shaded settings indoor, 50HZ or 60HZ.

TIP: *50HZ and 60HZ modes: Two frequencies are available for this camera because of different power supply specifications for different areas. This settings prevents stripes on images under different frequency.*

Image Resolution

- Press the **MODE** button to switch to **QUA** mode. Then press the **SELECT** button to choose the required resolution. Press **SHUTTER** to confirm (two beeps will sound from the camera).

Fine: 1280 x 960 (Low compression ratio)

Med: 1280 x 960 (High compression ratio; default value)

Low: 640 x 480

Auto White-Balance Settings

You can change the auto white balance type according to the ambient lighting condition.

- Press **MODE** to switch to **AWB** mode. Then press **SELECT** button to choose the following modes. Press **SHUTTER** to confirm (Two beeps can be heard from the camera).

Automatically chooses the best white balance for the current lighting conditions (Default value).

For taking pictures outdoors on a bright day.

For photographing on a cloudy day.

For taking pictures under tungsten light.

For photographing under fluorescent lighting.

TIP: *In **Auto** mode, the correct white-balance may not be obtained when photographing people close-up or shooting under special lighting.*

Digital Zoom Photography

This allows you to magnify your picture to twice the original size.
Press the **MODE** button to switch to **AWB** mode. Then press **SELECT** to choose one of the following modes. Press the **Shutter** button to confirm (and two beeps will be heard from the camera).

X 1: Standard

X 2: 200% Magnification

TIP: *Make sure the subject of the picture you're taking is in the center of the viewfinder.*

Using the Self-Timer

When you enable the self-timer, the shutter will automatically be released after 10 seconds. The Self-Timer is automatically disabled after the picture is taken.

- Press the **MODE** button to **Self-Timer** mode, then press **SELECT** to choose one of the following modes. Press **Shutter** to confirm (and you will hear two beeps from the camera).

Self-Timer on.

Self-Timer off.

- Press **Shutter** to start the self-timer. The **Self-Timer LED** in the front of the camera will flash and beep for 10 seconds. After 10 seconds, the camera takes a picture automatically.

Deleting Images

Delete recorded images or format the SmartMedia Card. Press the **MODE** button to Delete mode. Then press **SELECT** to choose one of the following modes. Press **SHUTTER** to confirm (Two beeps will be heard from the camera).

Delete all images.

Delete the last image.

Format SmartMediaCard or internal memory.

NOTE: Performing the **Delete/Format** operation when a SmartMedia Card is inserted in the camera will delete/format the stored images in the SmartMedia card. To delete images from internal memory, turn off the camera and remove the SmartMedia card before performing this operation.

Switching to USB Mode

This allows you to switch between **Mass Storage** and **PC-CAM (Video)** modes.
After connecting the camera to a PC with the USB cable, the LCD display will show the following options. You can press the **SELECT** button to switch and press the **SHUTTER** button to confirm (and you will hear two beeps from the camera).

Mass Storage: When selecting this mode, you can use the camera as a storage media. In **My Computer,** it will appear as a **Removable Drive**. You can access the images recorded in the camera from the PC.

PC-CAM (Video): Selecting this mode lets your computer software applications show real-time video images. The camera can be used for video conferencing or for recording movies.

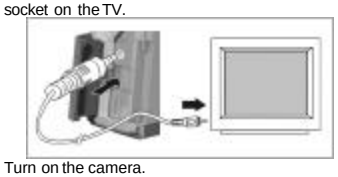
NOTE: *Do not switch the mode when the camera is connected to PC.*

TV-OUT Operation

You can use the TV cable to transfer images in the camera to a TV and play or delete images on the TV.

Connecting Your Camera to TV

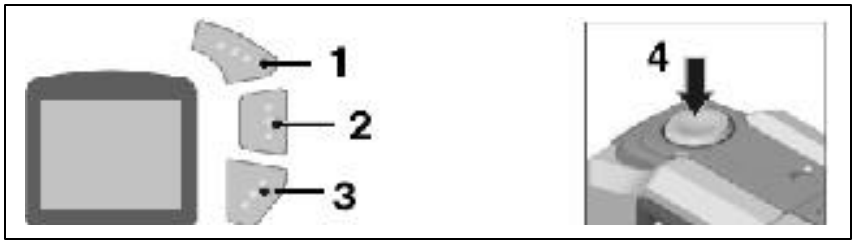
- Plug TV cable to the TV-OUT socket on the side of the camera, and plug the other end to the Video-in socket on the TV.



- Turn on the camera.
- The LCD display will show the NTSC icon (Default), or press **SELECT** to choose the PAL system. Then press **SHUTTER** to confirm and enter the **PLAY** mode.

TIP: *NTSC System: This video format is used in Taiwan, Japan, U.S.A. The PAL System is used in China, and most European countries. Please make sure you use the correct system where you live.*

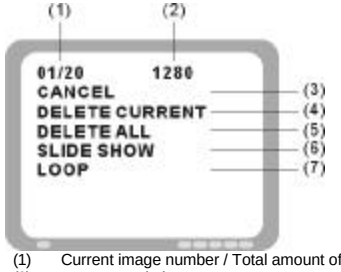
Button Description



1. Move the cursor forward (Previous)
2. Function Select
3. Move the cursor downward (Next)
4. Confirm/Open OSD

OSD (On Screen Display) Menu

- Press **SHUTTER** in the **TV-out** mode to show the **OSD** menu ON TV screen.



(1) Current image number / Total amount of recorded images
(2) Image Resolution
(3) Cancel OSD
(4) Delete current image
(5) Delete all images
(6) Playback the recorded images
(7) Playback the recorded images sequentially

TIP: *Please set up the **VIDEO INPUT** on TV.*

OSD Menu Items

CANCEL - Exit OSD menu
DELETE CURRENT - Delete current image on the LCD display
DELETE ALL - Delete all the images stored in the camera. Before you do this, the message below will appear for you to confirm:
*Select **YES** to delete all the images stored in the camera or select **NO** to cancel.*
SLIDE SHOW - Playback all recorded images as a slide show.
LOOP - Playback recorded images sequentially, just press **SHUTTER** to stop.